



The Blurb



Newsletter of The Phil-Mont Mobile Radio Club
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November 2004



Get Well, N3QIE!

New Year's
1958



May 1961



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WATTA SWITCH



The Blurb is published monthly by, and for, the members of **The PHIL-MONT MOBILE RADIO CLUB, INC.** whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. *Copying and quoting* is permitted with a credit line. We gladly exchange publications with other amateur radio clubs. Requests should be sent to the Editor. *Subscriptions* are available to non-members for \$10, addressed to the Treasurer.

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Submissions deadline: all copy must be in the hands of the Editors by the 20th of the previous month.

Sunday Morning Net Schedules

- **2 Meter/ 70cm Net**.....at 09:30et on W3QV repeater
- **10-on-10 Net**at 10:00et 28.393 MHz USB (±QRM)
- **75 meter Net**at 10:20et 3.993 MHz LSB

License Examinations

are held on the **first non-holiday Thursday** each month (except July and August) at
Northeast High School,

Cottman and Algon Streets, Philadelphia PA

Registration begins at 6:00 P.M. Enter through the SPARC wing. Exams begin and doors closed and locked at **6:30 P.M.**

Sharp! Applicants should call Dusty ND3Q at 215-879-0505 (day) or 215 482 0386 (eve) for the latest information.

Contact Phil-mont:

P.O. Box 88

Abington, PA 19001

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For club information: contact any club officer, or the repeaters listed below. Address or club directory changes, and articles that are for the membership e-mail list should be sent to:
wb3koj@comcast.net

The club meets at 7:30 PM on the **second non-holiday Wednesday** of every month except July and August at
The Masonic Village at Lafayette Hill

801 Ridge Pike

Lafayette Hill, PA

19444-1799

All visitors are welcome!

Club Stations

W3QV Club Repeater – Trustee: W3BBB

Ridge & Port Royal Avenues, Philadelphia, PA

147.03 MHz + PL 91.5 Hz & 444.80 MHz + PL 186.2 Hz

W3AA at Northeast High School –Trustee: WU3I

Cottman and Algon Streets, Philadelphia, PA

W3EM – Field Day and special event station

Trustee: W3VVS

President: W3STW

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wstw@juno.com

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Directors: W3BBB(05), N3MT (05), N3XKE (05) WU3I (04), K3XS(04), N3YXZ(04), KB3IV(A)

Committees

Archives: NG3P

Audit: NS3K

Awards: open

Blurb folding:

WB3KOJ & WB3KOH

Directory: WB3KOJ

DX: N3MT

Emerg. Coord.: K3HWE

Field Day: KE3QB

Internet: K3XS

Membership: W3LEN

Net Control: KB3IV

Publicity: W3RM

Program: Club VP

Public Service: open

Refreshments: W3AOK

Repeater: W3BBB

Skywarn: WX3PHI

Sunshine: N3GLU

Youth: N3MT

TVI: W3VVS

VE Program: ND3Q

W3AA Trustee: WU3I

Welcome: K3CJ.

The Bruneval Raid -- and the rest of the story

by Bob Thomas, W3NE

Reginald V. Jones was a brilliant British scientist and wartime strategist, whose insightful analyses and clever application of information from decoded German Enigma messages utterly neutralized the Luftwaffe's elaborate system of radio beams that had guided Nazi bombers with deadly accuracy in early years of WW-II. Following that success, Jones turned his attention to dramatic advancements in German radar. French and Belgian Resistance operatives had reported construction of large rotatable parabolic reflectors and, at great risk, provided British intelligence with sketches and even photographs of the installations. This evidence contradicted a naive RAF supposition that those structures were gigantic search lights. In fact, they were steerable UHF antennas, subsequently identified as such in aerial photographs taken in RAF reconnaissance flights by skilled Spitfire pilots diving at 300 mph through intense low level antiaircraft fire to an altitude of only fifty feet for oblique photography.

Recognizing that the antennas were frequently located in pairs near German airfields, Jones correctly deduced that they worked together in a radar system, one precisely locating the position of incoming British bombers, the other tracking Luftwaffe interceptors who were guided to the engage bombers by ground-based operators using voice transmission. That degree of

accuracy demanded superb aiming precision, as even minute errors of azimuth or elevation in either half of the system would result in misdirection of the interceptor. The German code name for the system was *Wurzburg*. Monitoring stations in England determined the wavelength of transmissions to be 55 cm (imagine stable 545 MHz transmitters and receivers in 1941!). In contrast, the RAF used a single transmitter and receiver in a PPM (Pulse Position Modulation) system which displayed the target and interceptor as pips on a circular CRT display. Thus, instabilities and orientation errors affected both targets equally, and "all" that was necessary was for the pilot of the interceptor to close the gap between the pip representing his position with that of the bomber. KISS was alive and well sixty years ago!

A Wurzburg installation of particular interest was identified in one an aerial photos at the top a 100-foot chalk cliff in southern France, near the village of Bruneval. High Command planned a daring raid on the Bruneval installation to seize the radar system and deliver it to England for analysis. An attack force of 120 was assembled, consisting of the King's Own Scottish Borderers and the Black Watch – both highly disciplined, rugged Scotts paratroopers; a Navy security officer; and Flight Sergeant C.W.H. Cox, an RAF radar specialist who volunteered for the mission. To minimize risk of "forceful interrogation" should any of them be captured and identified as a specialist with knowledge of strategic information, all personnel were given temporary false Army serial numbers and Army uniforms.

All, that is, except Sgt. Cox whose intractable RAF brass would not permit him to wear a non-RAF uniform despite possible tragic consequences from being singled out as a unique expert. No amount of logic could convince the RAF that Cox's distinctive identity would tag him as a person of special interest, placing him in grave jeopardy if caught by the Nazis during the raid. Cox was, quite literally, "a marked man."

In the afternoon of February 27, 1942, Navy evacuation ships embarked for the French coast near Bruneval. Later, on a frosty moon-lit night early the next morning, ten airplanes carried the paratroopers and Cox to their drop into enemy territory. They immediately divided into three groups: one attacked the German garrison stationed nearby for defense of the Wurzburg installation; another engaged a small contingent at the radar site while Cox dismantled the equipment; and the third began a sweep to clear the beach where rescue ships, then waiting offshore, would land. With bullets whizzing around them, Cox and the naval officer horridly disconnected cables from the radar equipment mounted directly on the back of the parabola, unbolted critical equipment boxes from the antenna, then trundled their prizes down a steep slope through a foot of snow to the beach, which now had been secured by the third arm of the force. At the last minute, Commandos who had been engaging the main German garrison in a vicious battle, initiated "a tactical advance toward the rear," joining the others in the boats, just landed at the beach, for return to England, reluctantly leaving behind

two men killed and six missing.

Although it had been planned to study the equipment in the presence of a radar operator captured and brought back from Bruneval, it was soon learned he was a former jail bird who had been conscripted into the German army and had little knowledge of the equipment itself. That was a common situation throughout German technical operations, where lack of operator expertise was compensated by sophisticated (read complicated) equipment with few operational adjustments. Interestingly in that regard, when the top Nazi technical officer was debriefed by Jones after the war, he opined that German equipment *had* to minimize reliance on operator skill because Hitler's ban on amateur radio in years prior to the war had so withered the reservoir of technically-inclined young men, that equipment had to be "fool proof". In any case, examination of the captured radar yielded a mine of crucial information for countermeasures and, quite likely, some "reverse engineering" that benefited British radar. An additional benefit was that it gave Jones the stature among the RAF establishment to insist on using *window* (*chaff*, in U.S. terminology). By either term, the principle was to drop millions of fine aluminum threads, each a half-wavelength long, from an airplane to create a decoy that appeared on radar as an armada of bombers, causing a diversion of fighter planes from real bombing missions.

 "And now," as ABC Radio personality Paul Harvey was fond of saying, "for the rest of the story."

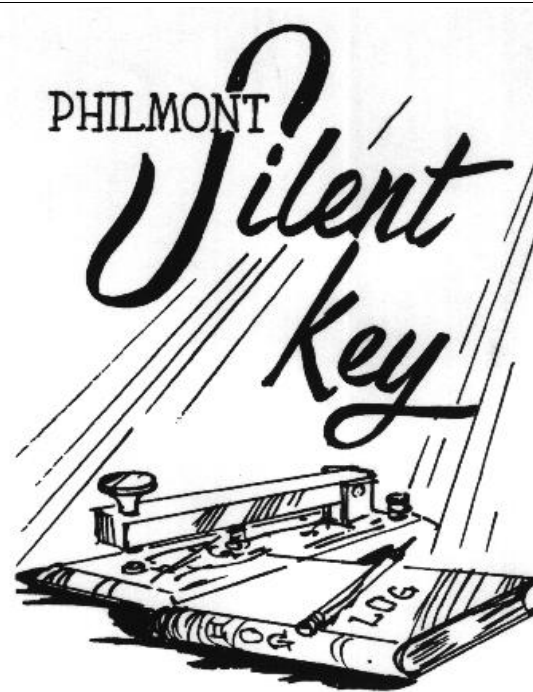
The survivors of the Bruneval raid got together for a reunion in 1967 to celebrate the twenty-fifth anniversary of their heroic operation. During the reception, Sgt. Cox chatted with one of the Scottish paratroopers.

He mentioned how apprehensive he had been because of his vulnerability for being singled-out if captured in his RAF uniform while everyone else in was in Army dress. The ruddy Scott replied

coldly, "That needn't have troubled ye Laddie. If it appeared ye were about to be captured, we all had orders to shoot you!"

And *that* is the rest of the story!

[Summarized from Jones' account in his book, Most Secret War.]



Pete Butler, WB2B SK

via Larry W2CAM and Dusty ND3Q

We have the sad duty to report the passing of Pete Butler WB2B (ex- KA2DZF), a long-time Phil-Mont member. Dusty ND3Q recalls that Pete worked hard to upgrade his licence class and became an active member of our VE team.

Peter N. Butler of Sicklerville went home to be with the Lord on Saturday October 16, 2004.

Peter was the oldest son of the late

James E. and Karis E. Butler of Lawnside, NJ. Peter graduated from Haddon Heights High School and Glassboro State College (Rowan University). He was a Staff Sgt. in the Army during WWII.

Peter was a member of the Deptford Rotary Club, the Thursday Night Spike Pounders and the S.J. Friday Night Operators. He was also a Ham Radio operator. He was a member of Rotary International, past president of the Deptford Rotary Club, past District Governor of District 7640 in 1994-95. He was employed in Deptford Twp. for 39 years as a teacher, a teaching Principal, a principal and the Elementary Curriculum Director.

Peter was a member of the Living Faith Christian Center of Pennsauken.

Peter leaves to cherish his memory: a brother Joseph Butler, sister Colantha Davis, brother-in-law Albert Davis, Sr., a host of nieces, nephews, many other relatives and many many friends.

The Year Of Living Famously

by Gwen S. Patton, NG3P

Another year is looming before us. Yet another year of meetings where sometimes not much happens, just cookies, coffee, and comrades. And maybe not as many people come anymore ... unless there's a special program.

So, have special programs, you say, a satisfied smile on your face, another problem solved. Programs equals attendance...have programs! Eleemosynary, my dear Watson! Heck, I can suggest a few good ideas for programs right now...
...who will *do* the presenting?

Uhhhh...gee...er...um...

This is our problem here at Phil-Mont -- too many times, when a suggestion is made for a program, the person making the suggestion isn't intending to present it himself. It's something he wants to see someone else do.

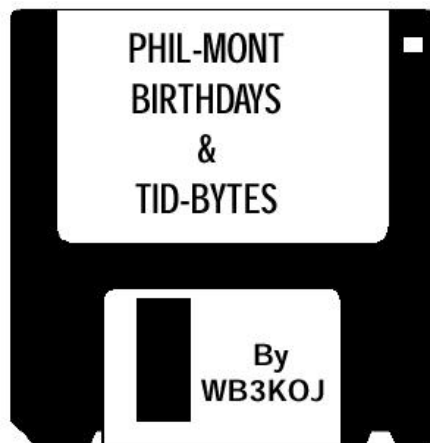
1

Time for our members to live famously. Every one of our members has had some kind of adventure, project, learning experience, or new toy they could get up and talk about for at least fifteen minutes to half an hour. That leaves discovering which members *will* do so.

The time has come for each member to think about what they could personally share with their fellow members that could help make meetings richer and more attractive -- especially to new members and those we only see when there's a program.

So, what have you done lately? Built a QRP rig? Hung a new G5RV? Worked some hard-to-get countries? Want to demonstrate something you think is really neat? Please offer to run a monthly program at an upcoming meeting! Contact Bill Popovic W3AOK, using your handy-dandy Phil-Mont directory, and tell him you want to do something special for your fellow members!

73 & 88
Gwen



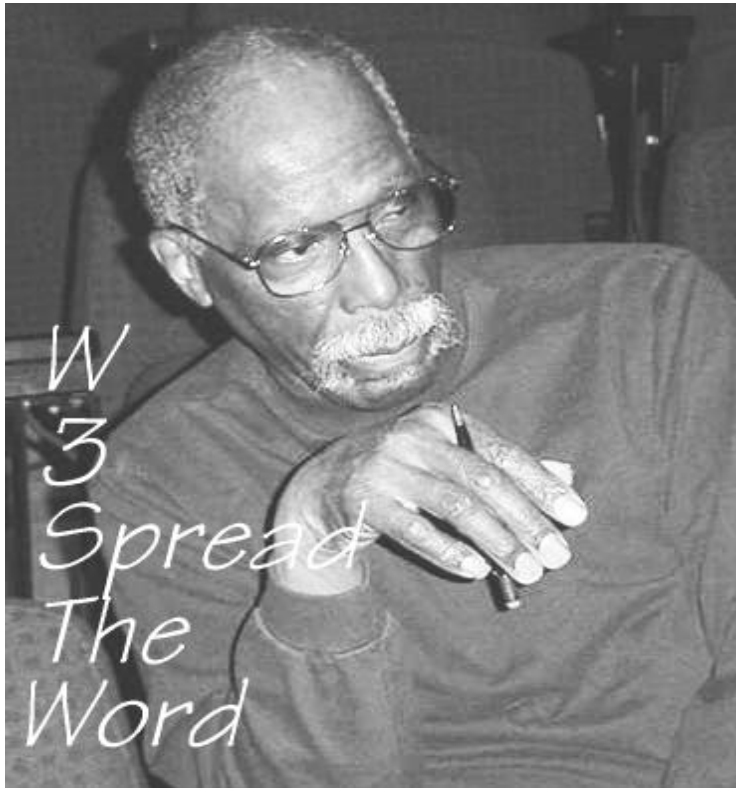
Membership Stats

At press time P.M.R.C. has:
104 FULL PAID MEMBERS
9 FAMILY MEMBERS
1 YOUTH MEMBERS
1 HONORARY MEMBERS
0 PENDING MEMBERS

November Birthdays

- 1 Pauline Green (XYL K3HES)
- 03 Louis Ruh - WX3I*
- 05 Delores Malone (XYL N3MGS)
- Al Tribble - W3STW
- 12 Arnold Sadwin - KC2HX
- 14 Chris McCormick - N3JHR
- Therese Cechony (XYL W3GER*)
- 19 Candy Mills (XYL N3UP*)
- Brad Swanson - N3GLH
- 20 Bob Gargano - N3YGY
- 22 Bill Popovic - W3AOK
- 23 Chap Fichera - KB3DQH
- Ted Hassell - KB3HAQ
- 24 Roxanne Pearlstein - N3KQH
- Delores Policarpo (XYL N3PP)
- 27 Mel Toren - N2MT
- 28 Elfriede Williams (XYL KB3CPC)
- 29 Bob Nicotero - KB2ERL
- Betty Walmsley (XYL W3DO)

*NEW MEMBER 2004



Spread The Word

--de Al W3STW, PMRC President

Dear Member, at the close of the P.M.R.C., October '04 general meeting Dusty, the Clubs Nominating Committee Chair person, was still seeking candidates for president, vice president, secretary and three directors.

With the exception of the office of secretary, (during '05, the current secretary will not be able to perform the duties of the office so the office will remain vacated if no one steps up to the task) Dusty has only the current officers listed. There may be a candidate for secretary but that candidate will be running unopposed.

I would like to change the state of affairs regarding this election and I'll start this way. All of your Board of Directors agree that the

secretary's job is the most difficult, and judging by the number of volunteers for the office, I think you all agree also.

Therefore, I propose the secretary shall be assisted in her/his duties by not having to worry about club membership. The office of secretary shall be a member in good standing as long as the duties are satisfactorily performed, as determined by the Board of Directors. This is November '04, so we have this month and the day of elections to get a slate of candidates that this organization deserves.

Hopefully, the proposed suggestion for secretary will be an incentive to inspire the membership not only for that office, but the other offices also. Thank you in advance for your

support, you all have made the task of being president a easy one.

If you were unable to attend the October '04 general meeting you really missed an excellent program put on by Vice President Bill, W3AOK.

First of all we had a very nice turn out, we were graced by the presence of Patricia, Red's, W3RED, YL (listen, she's younger than ME) who really knows how to pick a winner. Those of you attending the meeting know what I mean. The hot pastrami sandwiches, chocolate covered cake with sliced almonds and beverages made good face feeding.

The program was sort of a trivia contest where we were asked amateur radio related questions. The smartest one there that evening, was Gerry W3GER, who won an HT for his effort.

Thank you Bill for a good time. Perry W3PTB, thank you for being a wonderful host.

-- 73 Al T.

PMRC October Meeting

Club president Al Tribble called the October meeting of the Philmont Mobile Radio Club to order at 7:49 pm.

Dick, W3RM gave a brief treasury report by letting us know that the club is solvent. Everything is just about on budget. He also wanted to remind everyone that PMRC is a 501C3 Corp. What this means is that per IRS regulations any donations to the club in either cash or equipment is tax deductible. This also includes your dues. So please keep this in mind as the tax year is coming to a close and you may be looking for any donations for your tax

purposes. Also, don't forget about the scholarship fund. Contributions are always needed and appreciated.

Ed, KB3IV wanted to let everyone know the club would like to see greater participation on the Sunday HF nets. The 10 on 10 net on 28.393 USB at 10:00 am as well as the 75 meter net on 3.993 LSB at 10:20 am. Also, new net controls are always welcomed and encouraged. Speaking of HF nets please plan to join Al, W3STW who is net control of the AMSAT HF net on 3.840 LSB on Tuesday nights at 9:00 pm I'm sure Al would love the company.

Steve, WU3I let the club know that a work party will be needed for the repeater offsite in Delaware County soon. If you would like to help out let him know.

He also let us know that Al will be interviewing students soon for the upcoming Amateur classes at NE High. The club station located there is working well. If you would like to visit the club station please get in touch with either Al or Steve. They would love to have you. The station is generally open Monday thru Friday between 10:00 am and 2:00 pm. Take advantage of what the club has to offer. There was no news to report about

the tower project at this time. Steve also wanted to let all the club members know that November's meeting will be Old Timers night. Please reach out to older club members if you can if they would want or need a ride to the meeting

Dusty, ND3Q the club's nominating chairman reported that Fred, WA3KIO was nominated for a directorship position as well as N3YXZ, who was nominated for the position of club secretary. The positions of President, Vice-President, Treasurer and 3 directors' positions are up for grabs. If you would like to be run for any of these positions or if you know of anyone who would like to run, get in touch with Dusty.

Dusty also reported that 5 candidates showed up to take exams on October 7th. We had 2 new amateurs as well as one upgrade. The next exam session will be held on November 4th.

With all the reports out of the way for the evening Bill, W3AOK presented Trivia night. With a slide show presentation the attendees were invited to show their trivia knowledge and win an Alinco DJS 11 2 meter HT. The real professor of the evening turned out to be Gerry, W3GER who won rather easily. Maybe in the future



218th Monthly Phil-Mont VE Exam Session Statistics for October 7 2004

Six candidates took ten elements, and we had one upgrade and two new amateurs. The VE team was chaired by Dusty Rhoads **ND3Q**, and the other participating VEs were

Jim McCloskey **NS3K**
Gene Dinardi **N3XKE**

Upcoming Exam Sessions:
November 4, 2004
December 2, 2004

(See page 2 for details)

there will be other trivia nights for even bigger prizes. Stay tuned.

Till next month, 73
NS3K

Haring Scholarship Update

The S-Meter is at S-4, a readable signal...but not yet Loud-and-Clear. So, with ten-months of 2004 gone, it's time to take a look at the funding for the 2005 Claude H. Haring, Jr., W3IIM, Memorial Scholarship. According to the records, since January we've received \$922 toward our \$2,000 goal to fund the scholarship for next year...and the cash is due to be sent to the Foundation for Amateur Radio in January.

Speaking from personal experience, I can tell you that the ham radio scholarship program is a very worthwhile endeavor. I was very fortunate to receive a ham scholarship through F.A.R. during each of my four years at Villanova, from where I graduated in May, 2003. And, I was doubly honored to receive the first Haring Memorial Scholarship ever awarded by Phil-Mont, in 2002. Not only were the cash grants each

year a very big help with my college costs, even more meaningful to me was the feeling of appreciation and encouragement I got from knowing that it was my fellow hams who had put up the money themselves to help me and all the other young hams trying to get a better education. I hope that the club will not only continue our support of ham radio scholarships, but even consider expanding our participation.

Because Phil-Mont is recognized by the I.R.S. as a charitable and educational organization under section 501-C-3 of the regulations, all contributions to the club, including the scholarship program, are deductible for federal income and estate tax purposes. Saleable ham equipment may also be donated, and is deductible at its fair market value at the time it's gifted.

Let's try to hit S-9+ by the end of the year!

Thanks and 73, Mike, **N3MT**,

First Class Mail

Date	November 2004 with PMRC
Mon 01	
Tue 02	Election Day
Wed 03	PMRC Board Meeting at WRDV
Thu 04	VE Exams at Northeast High School – see p 2
Fri 05	
Sat 06	
Sun 07	NCS 2m K3XS – HF W3YXZ
Mon 08	
Tue 09	
Wed 10	PMRC meets at Masonic Village – see p 2
Thu 11	Veteran's Day
Fri 12	
Sat 13	
Sun 14	NCS 2m WU3I – HF WA3KIO
Mon 15	
Tue 16	
Wed 17	
Thu 18	
Fri 19	
Sat 20	
Sun 21	NCS 2m KB3IV – HF KB3IV
Mon 22	
Tue 23	
Wed 24	
Thu 25	Thanksgiving
Fri 26	
Sat 27	
Sun 28	NCS 2M WB3KOJ – HF W3STW
Mon 29	
Tue 30	

